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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
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August 6, 1993

TO: Minerals File

FROM: Holland Shepherd, Senior Reclamation Specialist *HHS*

SUBJECT: Meeting with Barney's Canyon Staff to Discuss Reclamation Standards,  
M/035/009, Kennecott, Salt Lake County, Utah

Meeting Date: August 4, 1993

Meeting Time: 3:30 pm to 5:00 pm

Participants: Dave Hodson, Steve Lackey, Barney's Canyon; Lowell Braxton,  
Wayne Hedberg, Tony Gallegos, Holland Shepherd, DOGM

The Division met with Barney's Canyon personnel on August 4th to continue the discussion concerning the establishment of revegetation standards for the non-topsoiled, angle of repose, waste rock dump slopes at the Barney's Canyon site. We also met to discuss time frames for coming up with these standards.

As part of the approval of the most recent revision to the Barney's Canyon mine plan, we granted a variance to the normal topsoiling and revegetation standards for certain areas of the mine. These areas were principally associated with the Melco Pit angle of repose waste rock dump slopes. The Division and operator agreed that a revised revegetation standard would be jointly established for these areas by a prescribed date.

The operator was to provide field information to the Division by January 1, 1993, which would help to establish an appropriate standard for these areas. The Division later provided a time extension to June 30, 1993. The operator was unable to meet this time frame because of their inability to obtain subsequent followup data to confirm their preliminary field surveys. The operator wrote a letter to the Division explaining the problem and requested this meeting.



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We concluded the meeting by agreeing that an interim revegetation standard of 50% would be accepted by the Division. Kennecott has already initiated a revegetation test plot on a large bench associated with the main Barney's Canyon pit.

This test plot will be monitored and aid in establishment of the dump slope revegetation standard. In the mean time, Kennecott's Barney's Canyon personnel will be setting up a series of new test plots to evaluate the success of various steep slope reclamation techniques.

A copy of their latest test plot proposal was given to the Division at the meeting. The test plot design and evaluation will be conducted by SRK consultants. The evaluation will extend through three growing seasons. The operator will provide the results and conclusions of their studies to the Division by November 1, 1996. The results of the test plot studies will be used as a basis for establishing the final revegetation standard for these areas under variance. The Division will also use this information to assist us in future steep slope variance request decisions.

During our discussions regarding the possible use of sewage sludge on some of Kennecott's test plots, we failed to mention the need to involve the Division of Water Quality (DWQ) prior to any land application of the material at the mine site. We are aware of other mine operators that are also currently seeking DWQ's approval for experimental land application of the sludge on their mine sites.

Mr. Hodson indicated that he would provide the Division with a proposal requesting our formal acceptance of the decisions/agreements made at this meeting.

vb  
cc: Dave Hodson, Kennecott  
Lowell Braxton, DOGM  
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